



Description

Single conductor 2kV RHH/RHW-2/LS non-halogenated cable with stranded copper conductors, extruded insulation system consisting of a thermosetting polyolefin inner insulation, and a black thermosetting polyolefin outer insulation.

Specifications

Specifications	Ratings
ICEA ICEA S-95-658	Type II EPR
ICEA ICEA T-29-520	210,000 Btu Vertical Flame Test (1/0 AWG and Larger)
UL UL 44	Type RHH-RHW-2, Class XL LS (Low Smoke) VW-1 For CT USE (1/0 AWG and Larger) Oil Resistance II Sunlight Resistant
UL UL Subject 758	AWM 105°C (Style 3167 and 3578)



Specifications

Specifications	Ratings (continued)
UL UL Subject 509	Miscellaneous Wire for Telephone Central Office
IEEE IEEE 1202 Flame Test	(1/0 AWG and Larger)
IEEE IEEE 383 Flame Test	(1/0 AWG and Larger)
CSA CSA C22.2 No. 0.3	FT-1 (#6 AWG and Larger) FT-2, FT-4
CSA CSA C22.2 No. 210.2	AWM Class I, Group A/B, Rated 105°C
Bellcore GR-347-CORE	
Lucent WP-93811	

90°C Wet or Dry Operation.

Design Parameters

Conductor

- Annealed, Class B, concentric compressed, round, bare copper strand as standard. Other optional strandings per ASTM are available for increased flexibility.

Insulation

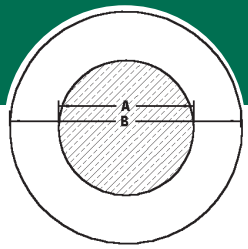
- A dual-layer product where the inner and outer layers are co-extruded, resulting in a tightly bonded system. The inner layer utilizes an EPR-based compound and is optimized for superior electrical properties. The outer layer is EVA-based and is specifically formulated to provide a rugged outer covering, with the additional benefits of limited-smoke and halogen-free materials. Both layers are cross-linked polyolefins.

Options

- Class C, Class D, Class G and Class I conductor strandings per ASTM
- Tin-coated conductor

Installations

- Conduit in Air
- Direct Buried
- Underground Duct
- In Cable Tray
- Wet Locations
- Dry Locations
- Isolated in Air



ECOSAFE™

2kV

Product Number	†Conductor	Insulation Thickness (mils)	Conductor Diameter		Overall Diameter	Cable Weight (lbs/ft)	† Ampacity (Amps)	90°C In Free Air
			(A) (in.) (mm)	(B) (in.) (mm)				
2kV Copper								
QHØ84ØA	8 AWG CU	70	0.143 (3.63)	0.31 (7.87)	0.31 (7.87)	91	80	
QH184ØA	6 AWG CU	70	0.180 (4.57)	0.34 (8.64)	0.34 (8.64)	127	105	
QH284ØA	4 AWG CU	70	0.226 (5.74)	0.39 (9.91)	0.39 (9.91)	183	140	
QH484ØA	2 AWG CU	70	0.284 (7.21)	0.45 (11.43)	0.45 (11.43)	270	190	
QH684ØA	1 AWG CU	90	0.324 (8.23)	0.53 (13.46)	0.53 (13.46)	349	220	
QH884ØA	1/0 AWG CU	90	0.364 (9.25)	0.57 (14.48)	0.57 (14.48)	425	260	
QH984ØA	2/0 AWG CU	90	0.408 (10.36)	0.61 (15.49)	0.61 (15.49)	520	300	
QHA84ØA	3/0 AWG CU	90	0.458 (11.63)	0.66 (16.76)	0.66 (16.76)	638	350	
QHB84ØA	4/0 AWG CU	90	0.515 (13.08)	0.72 (18.29)	0.72 (18.29)	786	405	
QHC84ØA	250 MCM CU	100	0.561 (14.25)	0.79 (20.07)	0.79 (20.07)	934	455	
QHD84ØA	350 MCM CU	100	0.664 (16.87)	0.89 (22.61)	0.89 (22.61)	1267	570	
QHE84ØA	500 MCM CU	100	0.794 (20.17)	1.03 (26.16)	1.03 (26.16)	1761	700	
QHF84ØA	750 MCM CU	120	0.974 (24.74)	1.24 (31.50)	1.24 (31.50)	2614	885	

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.
 The above dimensions are approximate and subject to normal manufacturing tolerances.
 All metric (SI) dimensions are derived from a soft conversion.
 Insulation thickness shown per ICEA S-95-658.

†Ampacities are based on the following:

In Free Air (NEC Table 310-17): Single-insulated conductor, 90°C conductor operating temperature, and 30°C ambient temperature.
 In Cable Tray (NEC Article 318-11): For single-conductor cables installed in accordance with NEC Article 318-9, ampacities shall not exceed the allowable ampacities stated in NEC Table 310-17.



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